

ABSTRACT

A box bottomed composite sack manufactured with a combination of monoaxially oriented tape fabric and non-oriented materials, and having a cover sheet bonded to the box bottom, is disclosed. The box bottomed sack is preferably constructed with either monoaxially oriented tape fabric or non-oriented material and can be coated on either side with a thermoplastic material such as polypropylene, polyethylene, ethylene vinyl acetate, and polyolefin to seal the sack and to facilitate bonding to the cover sheet. The cover sheet can be constructed with any suitable material, selected so that either the cover sheet or the sack body is made of monoaxially oriented tape fabric, and attached to the folded box bottom of the sack by a corresponding method for the specific cover sheet material. The cover sheet can be coated with thermoplastic material to facilitate bonding to the sack. The composite box bottomed sack does not require costly equipment to manufacture, is less susceptible to weakening due to heat treatment and is economical.